

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/823,490
				Filing Date	4/21/05
				First Named Inventor	Soon-Young Eom
				Art Unit	2817
				Examiner Name	S. HAM
Sheet	1	of	2	Attorney Docket Number	51876P603

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
SH		US-4612520	09-16-1986	Boire et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature	S. Ham	Date Considered	5/25/05
-----------------------	--------	--------------------	---------

\*Examiner. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/823,490
				Filing Date	4/12/04
				First Named Inventor	Soon-Young Eom
				Art Unit	2817
				Examiner Name	S. HAM
Sheet	2	of	2	Attorney Docket Number	51876P603

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>1985 IEEE MTT-S Digest, Pages 601-604</del>	
		<del>IEEE Transactions on Microwave Theory and Techniques, vol. 41, no. 1, January 1993, pages 9-14</del>	
		<del>Microwaves, December 18, 1979, pages 67-68</del>	
		The Korea Electromagnetic Engineering Society, vol. 14, no. 4, April 2003, pages 401-412	
SM		Wills, "Try 7/8 stubs for fast fixed phase <del>shifters</del> shifts", Microwaves, Dec. 18, 1979, pp 67-68	
SM		Quirarte et al., "Novel Schiffman phase shifters", IEEE Trans. Microwave Theory + Tech., vol. 41, no. 1, Jan., 1993, pp. 9-14	
SM		Boire et al. "A 4.5 + 18 GHz phase shifter", IEEE MTT-S Digest, 1985, pp. 601-604	
SM		Eom, "A study on a New Broadband 180° phase shifter using the network with great phase dispersive characteristics", Korea Electromagnetic Engineering Society, vol. 14, No. 4, April 2003, pp. 401-412.	

Examiner Signature	<i>S. Ham</i>	Date Considered	5/25/05
--------------------	---------------	-----------------	---------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wr) 08/11/2003.  
Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450